

In the Claims:

The listing of Claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Original) A method of improving traffic management in a computing network, comprising steps of:
 - detecting a changed environmental condition;
 - generating a notification of the detected condition;
 - analyzing the generated notification by consulting one or more criteria; and
 - determining, based on the analysis, whether a currently-executing application should modify its behavior.
2. (Original) The method according to Claim 1, further comprising the step of modifying, by the currently-executing application, its behavior.
3. (Original) The method according to Claim 2, wherein the modification comprises reducing a size of one or more data objects generated by the currently-executing application.
4. (Original) The method according to Claim 2, wherein the modification comprises reducing data retrieval by the currently-executing application.
5. (Original) The method according to Claim 2, wherein the modification comprises dropping one or more connections with the currently-executing application.
6. (Original) The method according to Claim 2, wherein the modification comprises increasing a size of one or more data objects generated by the currently-executing application.

7. (Original) The method according to Claim 2, wherein the modification comprises increasing data retrieval by the currently-executing application.

8. (Original) The method according to Claim 2, wherein the modification comprises changing thread assignments of the currently-executing application.

9. (Original) The method according to Claim 2, wherein the modification comprises changing the currently-executing application's use of one or more other applications.

10. (Original) The method according to Claim 1, wherein the changed environmental condition pertains to system-related conditions.

11. (Original) The method according to Claim 1, wherein the changed environmental condition pertains to network-related conditions.

12. (Original) The method according to Claim 1, wherein the changed environmental condition pertains to client-related conditions in one or more clients of the currently-executing application.

13. (Original) The method according to Claim 1, wherein the changed environmental condition occurred internally to a system in which the currently-executing application is executing.

14. (Original) The method according to Claim 13, wherein the generated notification pertains to a condition of a local network protocol stack.

15. (Original) The method according to Claim 13, wherein the generated notification pertains to a condition of the system in which the currently-executing application is executing.

16. (Original) The method according to Claim 13, wherein the analyzing step is performed by a policy manager component of the system in which the currently-executing application is executing.

17. (Original) The method according to Claim 1, wherein the changed environmental condition occurred externally to a system in which the currently-executing application is executing.

18. (Original) The method according to Claim 17, wherein the generated notification pertains to a condition of a client of the currently-executing application.

19. (Original) The method according to Claim 17, wherein the generated notification pertains to a condition of a remote network platform.

20. (Original) The method according to Claim 17, wherein the generated notification pertains to a condition of a remote server with which the currently-executing application is communicating.

21. (Original) The method according to Claim 20, wherein the modification comprises making adjustments pertaining to the remote server.

22. (Original) A method of dynamically modifying behavior of an executing application in response to changing environmental conditions, comprising steps of:

exchanging information among multiple components of a network as to each component's support for environmental awareness;

detecting, by a selected one of the components, an environmental change;

determining, responsive to detecting, those other ones of the components which indicated an interest in the detected environmental change during the exchanging step;

notifying those other ones of the detected environmental change; and

dynamically modifying behavior of an application currently executing at one or more of the notified components, in order to account for the detected environmental change.

23. (Original) A system for improving traffic management in a computing network, comprising:

- means for detecting a changed environmental condition;
- means for generating a notification of the detected condition;
- means for analyzing the generated notification by consulting one or more criteria;
- means for determining, based on the analysis, whether a currently-executing application should modify its behavior; and
- modifying, by the currently-executing application, its behavior.

24. (Original) A computer program product for dynamically modifying behavior of an executing application in response to changing environmental conditions, the computer program product embodied on one or more computer-readable media and comprising:

- computer-readable program code means for exchanging information among multiple components of a network as to each component's support for environmental awareness;
- computer-readable program code means for detecting, by a selected one of the components, an environmental change;
- computer-readable program code means for determining, responsive to operation of the computer-readable program code means for detecting, those other ones of the components which indicated an interest in the detected environmental change during operation of the computer-readable program code means for exchanging;
- computer-readable program code means for notifying those other ones of the detected environmental change; and

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Serial No.: 10/045,556
Filed: January 11, 2002
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computer-readable program code means for dynamically modifying behavior of an application currently executing at one or more of the notified components, in order to account for the detected environmental change.